

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	((("4,003,009") or ("4,529,994") or ("5,504,376") or ("5,659,185") or ("5,977,591") or ("6,165,902")).PN. or ((2002/0036311) or (2003/0178689)).CCLS.	USPAT; USOCR	OR	OFF	2007/02/13 19:15
L2	6	((("4,003,009") or ("4,529,994") or ("5,504,376") or ("5,659,185") or ("5,977,591") or ("6,165,902")).PN. or ((2002/0036311) or (2003/0178689)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/13 19:15
L3	7	((("4,003,009") or ("4,529,994") or ("5,504,376") or ("5,659,185") or ("5,977,591") or ("6,165,902") or ("20020036311") or ("20000178689")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/13 19:16
S1	2	("3254234").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 12:25
S2	425	"257"/\$.ccls. and (varactor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 14:57
S3	2	("6100770").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 13:01
S4	157	(257/595).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 13:09
S5	39	(257/598).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 13:23

## EAST Search History

S6	82	(257/601).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 13:53
S7	102	(257/596).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/02 09:48
S8	74	(257/602).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 14:00
S9	124	(257/312).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 14:03
S10	172	(257/313).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 14:06
S11	90	(438/379).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/30 14:06
S12	662	"257"/\$.ccls. and ((capacitor) with (inductor))	USPAT	OR	OFF	2004/01/30 14:58
S13	4	"257"/\$.ccls. and (capacitor near connected near (inductor))	USPAT	OR	OFF	2004/01/30 15:00
S14	533	"257"/\$.ccls. and ((second adj gate) with (second adj conductivity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/02 14:16
S15	6	"257"/\$.ccls. and ((semiconductor adj gate adj electrode) with (second adj conductivity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/02 14:19

## EAST Search History

S16	4	"257"/\$.ccls. and ((semiconductor adj gate adj electrode) with (concentration))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/02 14:20
S17	153	"257"/\$.ccls. and ((semiconductor adj gate adj electrode))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/02 14:57
S18	170	(257/407).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/02 15:23
S19	82	"257"/\$.ccls. and (poly\$1crystalline adj gate adj electrode)	USPAT	OR	OFF	2004/02/02 15:26
S20	1	"257"/\$.ccls. and ((poly\$1crystalline adj gate adj electrode) with (advantag\$4))	USPAT	OR	OFF	2004/02/02 15:26
S22	206	(361/277,332).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/30 15:11
S23	206	(361/277).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/30 15:11
S24	376	(361/281,292).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/01 16:38
S25	564	(257/595-602).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 11:16
S26	1667	MIS with capacitor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/01 17:06

## EAST Search History

S27	853	"257"/\$.ccls. and (MIS with capacitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/01 17:06
S28	564	(257/595-602).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 10:44
S29	734	(361/277,332,136,281,292).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 11:56
S30	5391	national adj semiconductor adj corporation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 11:57
S31	3088	national adj semiconductor adj corporation.asn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 11:57
S32	941	national adj semiconductor adj corporation.asn. and (capacitor or varactor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 12:36
S33	34	BULUCEA near CONSTANTIN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 12:00
S34	1206	varactor	US-PGPUB	OR	OFF	2005/10/03 12:00
S35	5552	varactor	US-PGPUB; USPAT	OR	OFF	2005/10/03 12:00
S36	2930	(257/59,72).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/08 13:21
S37	2126	(257/59,72).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/08 16:02

## EAST Search History

S38	1444	(438/149-151).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/08 18:16
S39	2	("5877512").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/08 18:16
S40	552	(361/271,277,281).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 11:26
S41	571	(257/595-602).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 13:41
S42	2	("6816217").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 13:52
S43	143	438/379	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 15:18
S44	347	361/277	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 15:32
S45	930	331/177v	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 15:51
S46	220	257/312	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 15:32
S47	5485	national adj semiconductor adj corporation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 17:04

## EAST Search History

S48	8	((("5399893") or ("5497028") or ("6100770") or ("6166404")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 17:07
S49	2	("20020074589").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 17:09
S50	18	((("4003009") or ("4529994") or ("5504376") or ("5659185") or ("5977591") or ("6165902") or ("20020036311") or ("20030178689")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 17:51
S51	397	varactor.clm.	US-PGPUB	OR	OFF	2005/12/19 17:52
S52	2	("6100770").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 16:04
S53	400	(257/595,602,5999,598,599,600).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 16:04
S54	400	(257/595,602,598,599,600).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 16:04
S55	13	("20020036311"   "20020074589"   "20030178689"   "4003009"   "4529994"   "5399893"   "5497028"   "5504376"   "5659185"   "5977591"   "6100770"   "6165902"   "6166404").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 16:30
S56	13	("20020036311"   "20020074589"   "20030178689"   "4003009"   "4529994"   "5399893"   "5497028"   "5504376"   "5659185"   "5977591"   "6100770"   "6165902"   "6166404").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 17:04
S57	1562	"257"/\$.ccls. and mos adj capacitor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/11 12:26

## EAST Search History

S58	55	("20010055852"   "20020072247"   "3924024"   "4466172"   "4875083"   "5170231"   "5170455"   "5184199"   "5185689"   "5302933"   "5479316"   "5506421"   "5510630"   "5587870"   "5589705"   "5726463"   "5739564"   "5763905"   "5812364"   "5837572"   "5877045"   "5885870"   "5939763"   "5946567"   "5960289"   "5972788"   "5972801"   "6025608"   "6028012"   "6048766"   "6054352"   "6063698"   "6096607"   "6100169"   "6100184"   "6107142"   "6117735"   "6136728"   "6165822"   "6190973"   "6204203"   "6211035"   "6221700"   "6228720"   "6238967"   "6239463"   "6246076"   "6297172"   "6316791"   "6342748"   "6344663"   "6455892"   "6593620"   "6610366"   "6767843").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 17:19
S59	2	("4922319"   "5523603").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 17:48
S60	1	("6228696").URPN.	USPAT	OR	OFF	2006/08/11 11:12
S61	2	("6410985").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 11:12
S62	16709	(variable adj capacitor) or varactor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/11 12:27
S63	6668	"257,361"/\$.ccls. and (variable adj capacitor) or varactor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/11 12:28
S64	7052	"257"/\$.ccls. and (variable adj capacitor) or varactor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/11 12:29
S65	7052	"257"/\$.ccls. and (variable adj capacitor) or varactor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/11 12:31
S66	2	("6100770").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 14:11
S67	66	"257"/\$.ccls. and IGBT.ti.	USPAT	OR	OFF	2006/08/11 17:46

## EAST Search History

S68	1	("6627961").URPN.	USPAT	OR	OFF	2006/08/11 17:58
S69	7	("4901127"   "5178370"   "5569982"   "5689208"   "5814884"   "5851857"   "5900662").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/11 18:28
S70	421	(257/132-133).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 13:49
S71	167	(257/167).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 13:53
S72	373	(257/147).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 13:53
S73	33	("3574009"   "3634739"   "3909119"   "3933541"   "4040878"   "4042448"   "4066483"   "4148053"   "4219832"   "4351677"   "4450467"   "4717940"   "4720469"   "4914496"   "4967255"   "4994885"   "5072312"   "5077224"   "5084401"   "5105244"   "5119153"   "5155569"   "5164802"   "5202750"   "5248622"   "5286655"   "5294816"   "5298457"   "5360746"   "5372954"   "5440164"   "5757033").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/12 14:01
S74	0	257/148-153	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/12 14:01
S75	569	(257/148-153).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 14:01
S76	4	("3227896"   "4236169"   "4561008").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/12 14:11
S77	15	("4841345").URPN.	USPAT	OR	OFF	2006/08/12 14:16
S78	553	(257/154-156).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 15:48



## EAST Search History

S79	233	(257/177-178).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 14:34
S80	1622	(257/378-379).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 14:37
S81	405	(257/107).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 14:42
S82	213	(257/119).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 14:45
S83	95	(257/137).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 14:47
S84	219	(257/138).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 14:47
S85	3210	"257"/\$.ccls. and ((polysilicon adj layer) near3 electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 15:49
S86	0	"257"/\$.ccls. and ((polysilicon adj layer) near3 electrode) with (metal adj diffusion)	USPAT	OR	OFF	2006/08/12 15:50
S87	395	"257"/\$.ccls. and ((polysilicon adj layer) near3 electrode) with (metal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 15:50
S88	234	"257"/\$.ccls. and ((polysilicon adj layer) near3 electrode) with (metal)	USPAT	OR	OFF	2006/08/12 15:52
S89	0	"257"/\$.ccls. and ((polysilicon adj layer) near3 electrode adj layer)	USPAT	OR	OFF	2006/08/12 16:27
S90	152	"257"/\$.ccls. and ((polysilicon adj layer) near3 (electrode adj layer))	USPAT	OR	OFF	2006/08/12 16:01

## EAST Search History

S91	1	"257"/\$.ccls. and ((polysilicon adj layer) near3 (electrode adj layer)) with protect\$4	USPAT	OR	OFF	2006/08/12 15:55
S92	152	"257"/\$.ccls. and ((polysilicon adj layer) near3 (electrode adj layer))	USPAT	OR	OFF	2006/08/12 15:55
S93	32757	mitsubishi.asn.	USPAT	OR	OFF	2006/08/12 16:01
S94	376	mitsubishi.asn. and IGBT	USPAT	OR	OFF	2006/08/12 16:11
S95	2	SUEKAWA near EISUKE.inv.	USPAT	OR	OFF	2006/08/12 16:11
S96	5	SUEKAWA near EISUKE.inv.	US-PGPUB; USPAT	OR	OFF	2006/08/12 16:11
S97	2	("5436184").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/12 16:27
S98	692	(257/595-602).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/02/11 15:55
S99	173	(438/379).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/02/11 16:03